

RJ45 Field-Installable Connector Category 6A STP Angled



Part Number:
CAXASS-00100-C002

The field-installable RJ45 connector is suitable for industrial environments offering outstanding performance for the transmission of digital data signals up to 10GbE. It is used in multiple applications, most commonly telecommunications, Ethernet networking, IP surveillance, factory automation and control.

Features and Benefits

Compliance with the new Class EA and IEEE 802.3an

Supports for PoE, PoE+ and 4PPoE applications

Providing easy and fast installation without tools

Re-termination possible for multiple usage

The connector can be used with flex wire cables AWG 23-27 and solid wire cables AWG 23-26



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Specifications

General Specifications

Category	6A
Halogen-free	Yes
Bandwidth	500 MHz

Standards

Flame retardance	Class UL94 V-0
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Transmission performance link	Class EA (ISO/IEC 11801 Ed. 2.2 2011)
Design And Test Criteria	IP20
Corning Recommendations	Recommended cable diameter is 6 mm - 9 mm
Component Standard	ANSI/TIA/EIA-568-B.2-10/IEC 60603-7-51 (Edition 1.0 2010)

Environmental Conditions

Halogen-free	Yes
Temperature range, installation	-40 °C to 70 °C
Temperature range, operation	-25 °C to 50 °C
Temperature range, storage	-40 °C to 70 °C

Design

Plug Type	RJ45 - 8/8
Housing material	Metal
Housing colour	Silver

Mechanical Specifications

IDC Contacts	Suitable for flex wire cables AWG 23-27 and solid wire cables AWG 22-26
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Mechanical Specifications

Reproducibility	5 times reusable
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Electrical Specifications

Input to output DC Resistance Unbalance	< 50 mΩ
Input to output DC Resistance	< 200 mΩ
Electric strength DC (conductor/conductor)	≥ 1000 V DC
Contact Resistance Rd	20 mΩ
Electrical strength DC (conductor/test plate)	≥ 1500 V DC
Insulation resistance	> 500 MΩ @ 100VDC
Voltage Rating (Maximum)	Less than 50VAC / 75 VDC

Dimensions

Height	147 mm
Width	129 mm
Depth	513 mm
Weight	13 g

Ordering Information

Product Number	CAXASS-00100-C002
Shipping weight	13 g
Units per delivery	50/1



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